

# Grantee: Tennessee

## Grant: B-13-DS-47-0002

### July 1, 2018 thru September 30, 2018 Performance

---

<b>Grant Number:</b> B-13-DS-47-0002	<b>Obligation Date:</b>	<b>Award Date:</b>
<b>Grantee Name:</b> Tennessee	<b>Contract End Date:</b>	<b>Review by HUD:</b> Reviewed and Approved
<b>Grant Award Amount:</b> \$44,502,374.00	<b>Grant Status:</b> Active	<b>QPR Contact:</b> Donald Watt
<b>LOCCS Authorized Amount:</b> \$44,502,374.00	<b>Estimated PI/RL Funds:</b>	
<b>Total Budget:</b> \$44,502,374.00		

### Disasters:

#### Declaration Number

No Disasters Found

### Narratives

#### Executive Summary:

The third largest river in the world, the fabled Father of Waters, the mighty Mississippi River, fuels industry, recreation and tourism, creates a livelihood for thousands who live along or near its banks and has inspired countless writers and musicians. But it also wreaks havoc on those same lives and communities through flooding. It is West Tennessee's biggest asset and biggest challenge. The 2011 floods and severe storms in rural West Tennessee were no exception. Much of this flooding was in rural areas and had a significant impact on low-to moderate-income citizens. In response to the impacts caused by the historic floods, the State of Tennessee has developed a comprehensive approach, titled Rural by Nature, to address needs of rural Tennessee. The Rural by Nature application combines federal, state and local partners in a collaborative effort to create resilient rural communities in these often ignored areas. These projects not only proactively minimize loss from future flooding and related natural occurrences but will create communities that can successfully manage and recover from shocks and stressors while building their economy and their assets. Great attention is being given to developing plans that are replicable and can be used in other rural areas along all of our major rivers across the country, particularly as climate change increases the frequency and disruptive force of disasters. While they generally receive less attention in disaster planning, rural areas are the heartbeat of America. Rural areas represent 90% of America's land mass and are the heart of our food production. Rural communities formed the foundation upon which our country was built. They also contain some of our most vulnerable citizens and have high levels of poverty and unemployment. Rural children, in particular, have been disproportionately affected by the recent economic downturn. This is particularly significant since child poverty often has an impact that lasts throughout a lifetime. The target areas for Rural by Nature are no exception – they are extremely distressed and have economies that are built on agriculture and food production. Funding for the projects chosen for Rural by Nature will enable the state to proactively reduce flood losses that will inevitably occur; to preserve the natural environmental and water resources that make the communities what they are; reduce the impacts of flooding; promote economic development, tourism, agriculture and recreation; and strategically deploy available resources to make the most significant impact. The result will be economically viable communities that will be able to attract and support businesses, weather natural disasters (including floods and earthquakes) and prepare for the impacts of climate change. This requires a comprehensive planning process to ensure that the progress already made is leveraged to meet unmet needs while creating strong opportunities for recreation, tourism and agriculture, currently the mainstays of these communities. To create a comprehensive, regional program, the unmet needs are addressed by projects in two basic groups: infrastructure repairs and economic revitalization. Without resilient infrastructure repairs, the communities will continue to spend a disproportionate amount on making short-term repairs that do not offer additional protection from

#### Executive Summary:

uture disasters. Without the economic revitalization projects, the communities will not have an opportunity to build on their assets in a way that promotes resiliency and recovery. Although none of the NDR projects are housing activities, ECD is committed to affirmatively furthering fair housing throughout the implementation of all the NDR projects and the administration of the grant. ECD and its sub-grantees will conduct the NDR activities in accordance with the State's Analysis of Im

#### MID-URN Areas:

Eligible activity. Funds will be used solely for the necessary expenses related to disaster relief, recovery and resiliency. All activities proposed in Phase 2 are eligible according to Community Development Block Grant (CDBG) rules and regulations, state and federal laws, the Stafford Act, etc. Proposal incorporates resiliency. All activities proposed in Phase 2 have incorporated resiliency to future flooding, climate change, earthquakes and other potential disasters. Tennessee has developed a partnership including other state, federal and local departments, non-profits and faith-based organizations for this application that will continue to work together to determine how future projects can incorporate the themes of resiliency. National objective. With respect to activities expected to be assisted with CDBG-NDR funds, the Application has



been developed to give the maximum feasible priority to activities that will benefit low- and moderate-income (LMI) families. All projects meet a national objective. Overall benefit. The aggregate use of CDBG–NDR funds will principally benefit LMI families in a manner that ensures that at least 50 percent of the grant amount is expended for activities that benefit such persons, unless waived by Housing and Urban Development (HUD) based on a finding of compelling need. It is expected that well over 50 percent of funds will benefit LMI populations. Tie-back. Each target area and each project proposed in Phase 2 ties back to a disaster that occurred in an approved target area in 2011. One application per applicant. This is the only application that will be submitted by the State of Tennessee. Certifications. Tennessee Department of Economic and Community Development (TNECD) will comply with the certifications included in Attachment C and signed as a part of the electronic SF424. In Phase 1, The Rural by Nature project was composed of nine target areas in West and Middle Tennessee. During the development of the Phase 2 application, TNECD held multiple stakeholder meetings and consulted with professional engineers, educators, and other partners to determine the most affected areas and where the National Disaster Resilience Competition (NDRC) dollars could make the greatest impact. During these meetings it was determined that the focus for Phase 2 would be the 6 target areas in West Tennessee. Five of the target areas border the Mississippi River and the sixth has tributaries flowing to the Mississippi River; all are subject to regular flooding and experience other similar threats including the impacts of climate change and the risk of flooding and other damage from earthquakes and tornados. These are the most distressed and most impacted areas affected by the disasters that occurred in Tennessee in 2011 and early 2012. Below are the overviews of the target areas. Target Area 1 – Dyer County Eligible county: The eligible county is Dyer County. Most impacted and distressed target area: The target area census tracts are 9643, 9644, 9646 and 9648. MID URN Information: Impact – Infrastructure. The flooding in the City of Dyersburg caused damage to the sewer system in excess of \$4 million. Distress – Disaster impacted low- and moderate-income (LMI) households. The census tracts that make up the target area contain 51.25% LMI households. Disaster impacted an economically fragile area. Thrats in the target area is 9.45%, which is 152.4

### **MID-URN Areas:**

% of the national unemployment rate (Most Distressed Characteristics). Unmet recovery need – Infrastructure. At least \$4M in unmet infrastructure need that cannot be funded through other sources is documented in the target area. Narrative: The Forked Deer River runs through downtown Dyersburg to the Mississippi River and the wastewater treatment plant is located in this area. Dyersburg has revitalized their downtown over the last few years. By becoming a Main Street community, working with gra

### **Key Agencies, Partners, Positions, Personnel:**

#### Existing Management Structure

The Rural by Nature project will be led by TNECD, and Kent Archer, CDBG Director, will serve as the overall Program Manager. Joe Slaughter, Resilience Coordinator, will be the day-to-day contact for the projects. Brooxie and Kent currently manage all of the CDBG and CDBG-DR funds for the department; their staff will assist with the technical aspects of the projects. The Office of Community Programs is a part of the Rural Development division of TNECD. Other staff including regional staff working in the communities and other Rural Development staff will assist with the management of these projects.

While TNECD will manage the funding for the Rural by Nature project, the State has contracted with Stantec to assist in the overall Program Management and technical oversight tasks.

Stantec will provide management support to ensure resiliency and quality are adhered to within each activity. The Stantec Program Manager will be Steve Field, PE.

Each discipline has an assigned Subject Matter Expert (SME) who is licensed Professional Engineer (PE) and will oversee the activities that fall under their area of expertise. George Athanasakes will serve as the SME for Floodways and Trails. Paul Thomas will serve as SME for Wastewater. Amy Tolley will serve as SME for Social/Housing. Additionally, Marc Pearson, a Certified Floodplain Manager (CFM) will serve as SME for the Multi Hazard Mapping and Education. Susan Marlow will serve as Account Manager and ECD liaison to sub grantees. Cherie Akers will serve as SME for Planning.

Stantec will assist TNECD by utilizing an established Program Management framework to create cost containment and promote quality control throughout the entire Program. Stantec will employ the same framework for each of the Program activities presented in this application.

Project #1: Jackson Wastewater System Improvements - Jackson Energy Authority

Eddie O'Neill - JEA

JR Wauford & Company, Consulting Engineers, Inc. - Engineering Design  
Community Development Partners, LLC - Grant Administration

Project #2: Dyersburg Wastewater System Rehabilitation - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #3: Henning Wastewater System Rehabilitation – Town of Henning

Marva Temple - Mayor, Town of Henning

A2H, Inc. - Engineering Design

Community Development Partners, LLC - Grant Administration

Project #4: Mississippi River Levee Pump Installation – West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #5: Dyersburg Wetland Creation and Recreation Facilities - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #6: Forked Deer River Floodplain and Waterway Restoration - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Ch

### **Key Agencies, Partners, Positions, Personnel:**

ief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #7: Jackson Flood Control - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)



Project #8: Cold Creek Chute Restoration  
 David Salyers - Executive Director  
 David Blackwood - Chief Engineer  
 Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #9: Mississippi River Corridor Overlook – Lauderdale County  
 Maurice Gaines – Lauderdale County Mayor  
 A2H Inc. – Engineering Design  
 Community Development Partners, LLC - Grant Administration

Project #10: Hazard Mapping, Assessment, and Education - University of Memphis  
 Gary Lee Patterson - Director of Education & Outreach - Center of Earthquake Research & Information  
 Mark Abkowitz - Director of Vanderbilt Center for Environmental Management Studies - Vanderbilt University  
 Mary MacKinnon - Grant Writer - Central U.S. Earthquake Consortium  
 Kendra Abkowitz - Senior Policy Analyst - Office of Policy and Planning, TDEC

Overall	This Report Period	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$58,070,174.00
<b>Total Budget</b>	\$0.00	\$44,502,374.00
<b>Total Obligated</b>	\$1,686,830.42	\$3,820,228.16
<b>Total Funds Drawdown</b>	\$1,706,350.32	\$3,760,407.91
<b>Program Funds Drawdown</b>	\$1,706,350.32	\$3,760,407.91
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$436,343.00	\$1,616,825.70
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Progress Toward Required Numeric Targets

Requirement	Target	Actual
<b>Overall Benefit Percentage (Projected)</b>		100.00%
<b>Overall Benefit Percentage (Actual)</b>		100.00%
<b>Minimum Non-Federal Match</b>	\$0.00	\$0.00
<b>Limit on Public Services</b>	\$6,675,356.10	\$0.00
<b>Limit on Admin/Planning</b>	\$8,900,474.80	\$658,536.25
<b>Limit on Admin</b>	\$0.00	\$487,984.50
<b>Most Impacted and Distressed Threshold (Projected)</b>	\$0.00	\$0.00

## Overall Progress Narrative:

No additional activity has occurred this quarter.

## Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
LTC Project Tennessee, Long Term Commitments	\$0.00	\$0.00	\$0.00
NDR 01 JEA, Jackson Wastewater System Improvements	\$436,343.00	\$13,400,000.00	\$1,106,509.50
NDR 02 Dyersburg, Dyersburg Wastewater System	\$1,099,119.95	\$3,042,500.00	\$1,385,046.95



NDR 03 Henning, Henning Wastewater System	\$25,353.52	\$1,809,000.00	\$258,125.27
NDR 04 WTRBA, Mississippi River Levee Pump Installation	\$0.00	\$2,945,000.00	\$3,976.00
NDR 05 Dyersburg, Dyersburg Wetlands Creation and	\$33,176.90	\$4,619,100.00	\$243,857.54
NDR 06 WTRBA, Forked Deer River Floodplain and	\$0.00	\$5,660,000.00	\$637.00
NDR 07 WTRBA, Jackson Flood Control	\$0.00	\$5,860,000.00	\$878.50
NDR 08 WTRBA, Cold Creek Chute Restoration	\$0.00	\$185,000.00	\$700.00
NDR 09 Lauderdale County, Mississippi River Corridor	\$18,638.73	\$1,244,500.00	\$102,140.90
NDR 10 University of Memphis, Hazard Mapping,	\$67,733.00	\$3,576,731.00	\$170,551.75
NDR Administration, Administration	\$25,985.22	\$2,160,543.00	\$487,984.50
OV Project Tennessee, NDR Outcome Values	\$0.00	\$0.00	\$0.00
SL Project Tennessee, Supporting Leverage	\$0.00	\$0.00	\$0.00



# Activities

**Project # /** NDR 01 JEA / Jackson Wastewater System Improvements

**Grantee Activity Number:** NDR 01 JEA  
**Activity Title:** Jackson Wastewater System Improvements

**Activity Category:**  
 Construction/reconstruction of water/sewer lines or systems

**Activity Status:**  
 Under Way

**Project Number:**  
 NDR 01 JEA

**Project Title:**  
 Jackson Wastewater System Improvements

**Projected Start Date:**  
 12/27/2016

**Projected End Date:**  
 09/30/2022

**Benefit Type:**  
 Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
 Low/Mod

**Responsible Organization:**  
 Jackson Energy Authority

Overall	Jul 1 thru Sep 30, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$13,400,000.00
<b>Total Budget</b>	\$0.00	\$13,400,000.00
<b>Total Obligated</b>	\$436,343.00	\$1,106,509.50
<b>Total Funds Drawdown</b>	\$436,343.00	\$1,106,509.50
<b>Program Funds Drawdown</b>	\$436,343.00	\$1,106,509.50
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$436,343.00	\$1,106,806.50
Jackson Energy Authority	\$436,343.00	\$1,106,806.50
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Activity Description:

During the 2011 flood the Jackson Energy Authority Miller Avenue Wastewater Treatment Plant (MAWTP) exceeded its average daily flow of 9.3 million gallons per day (MGD) by approximately three and a half times. While many improvements were made, there are still unmet needs. This project includes three parts 1) influent structure replacement; 2) rehabilitation of the Riverside Interceptor, the primary method for collecting wastewater; and 3) redundancy in South Jackson water and sanitary sewer currently located on the bridge across the Forked Deer River where a failure would affect over 9,000 customers including most of the county's industrial facilities.

## Location Description:

Southern half of Madison County. Includes the following Census Tracts.  
 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14.01, 14.02, 17, 18, 19



## Activity Progress Narrative:

### Accomplishments Performance Measures

No Accomplishments Performance Measures

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

## Project # / NDR 02 Dyersburg / Dyersburg Wastewater System

<b>Grantee Activity Number:</b>	<b>NDR 02 Dyersburg</b>
<b>Activity Title:</b>	<b>Dyersburg Wastewater System Rehabilitation</b>

#### Activity Category:

Construction/reconstruction of water/sewer lines or systems

#### Project Number:

NDR 02 Dyersburg

#### Projected Start Date:

12/27/2016

#### Benefit Type:

Area ( )

#### National Objective:

Low/Mod

#### Activity Status:

Under Way

#### Project Title:

Dyersburg Wastewater System Rehabilitation

#### Projected End Date:

09/30/2022

#### Completed Activity Actual End Date:

#### Responsible Organization:

City of Dyersburg

#### Overall

Total Projected Budget from All Sources

Total Budget

Total Obligated

Total Funds Drawdown

Program Funds Drawdown

#### Jul 1 thru Sep 30, 2018

N/A

\$0.00

\$1,090,119.95

\$1,099,119.95

\$1,099,119.95

#### To Date

\$3,042,500.00

\$3,042,500.00

\$1,385,046.95

\$1,385,046.95

\$1,385,046.95



<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$89,927.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The Dyersburg Wastewater System Rehabilitation project strives to repair the gravity sewer lines and manholes in the area impacted by the 2011 flood event. The system will be made resistant to flooding by retrofitting the existing manholes with water tight lids and slip lining damaged pipe to prevent I/I. This area of the City, known as "South Town", is critical to the infrastructure in Dyersburg, because 90% of all sewer in Dyersburg must pass through this basin before being discharged into the WWTP. The flooding event caused an increase in I/I and SSOs due to damage and siltation of the line.

**Location Description:**

Dyer County, Census Tracts 9643, 9644, 9646, and 9648

**Activity Progress Narrative:**

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

<b>Match Sources</b>	<b>Amount</b>
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	
<b>Other Funding Sources</b>	<b>Amount</b>
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 03 Henning / Henning Wastewater System**

<b>Grantee Activity Number:</b>	<b>NDR 03 Henning</b>
<b>Activity Title:</b>	<b>Henning Wastewater System Rehabilitation</b>

**Activity Category:**  
Construction/reconstruction of water/sewer lines or systems

**Project Number:**  
NDR 03 Henning

**Projected Start Date:**  
12/27/2016

**Activity Status:**  
Under Way

**Project Title:**  
Henning Wastewater System Rehabilitation

**Projected End Date:**  
09/30/2022

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:****National Objective:**

Low/Mod

**Responsible Organization:**

Town of Henning

<b>Overall</b>	<b>Jul 1 thru Sep 30, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,809,000.00
<b>Total Budget</b>	\$0.00	\$1,809,000.00
<b>Total Obligated</b>	\$25,353.52	\$258,125.27
<b>Total Funds Drawdown</b>	\$25,353.52	\$258,125.27
<b>Program Funds Drawdown</b>	\$25,353.52	\$258,125.27
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$84,671.46
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The sewer collection system in the Town of Henning continues to experience significant infiltration issues with the problem becoming more severe since the 2010 and 2011 flood events. The infiltration of stormwater into the wastewater collection system contributes to frequent overtopping of the municipal wastewater lagoon levee system. These events weakened the integrity of the levee structure and contributed to new emergency repair attempts. This project involves lining one of Henning's older lagoons with an HDPE liner, upgrading the outfall system, utilizing Cured-In-Place pipe repairs to rehabilitate the existing sewer lines in order to permanently fix the levee and reduce I/I, and replacing failing manhole covers with water-tight covers to reduce I/I.

**Location Description:**

The project will benefit the entire Town of Henning.

**Activity Progress Narrative:****Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

## Other Funding Sources Budgeted - Detail

### No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

### Project # / NDR 05 Dyersburg / Dyersburg Wetlands Creation and

**Grantee Activity Number:** NDR 05 Dyersburg  
**Activity Title:** Dyersburg Wetlands Creation and Recreation Facilit

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Project Number:**

NDR 05 Dyersburg

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

Dyersburg Wetlands Creation and Recreation

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

City of Dyersburg

Overall	Jul 1 thru Sep 30, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$4,619,100.00
<b>Total Budget</b>	\$0.00	\$4,619,100.00
<b>Total Obligated</b>	\$33,176.90	\$243,857.54
<b>Total Funds Drawdown</b>	\$33,176.90	\$243,857.54
<b>Program Funds Drawdown</b>	\$33,176.90	\$243,857.54
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$60,168.80
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

#### Activity Description:

The City of Dyersburg intends to implement a comprehensive plan to improve the quality of life for its citizens, targeting the LMI population in the area of South Town affected by the flood waters in 2011. Blighted and environmentally sensitive properties affected by the 2011 flood will be converted into wetlands, greenways, and stormwater management recreational facilities. This conversion will mitigate the impact of future flood



events, improve the health and wellness of citizens, provide miles of greenways for regional ecotourism, and provide safe access for non-vehicular traffic to food, medical, municipal, and philanthropic services available in downtown Dyersburg. As part of this activity the City will convert land currently in floodplain to wetlands, develop recreational facilities, including basketball courts and a soccer complex that will also serve as land for floodwater retention, and the construction a police outpost to serve the neighborhood and the recreational facilities.

**Location Description:**

Dyer County Census Tracts 9643, 9644, 9646, 9648

**Activity Progress Narrative:**

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	0	0/2
# of Acres wetlands	0	0/12

**Beneficiaries Performance Measures**

No Beneficiaries Performance Measures found.

**Activity Locations**

No Activity Locations found.

**Other Funding Sources Budgeted - Detail**

Match Sources	Amount
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 09 Lauderdale County / Mississippi River Corridor**

<b>Grantee Activity Number:</b>	<b>NDR 09 Lauderdale County</b>
<b>Activity Title:</b>	<b>Mississippi River Corridor Overlook</b>

**Activity Category:**  
Acquisition, construction, reconstruction of public facilities

**Activity Status:**  
Under Way

**Project Number:**  
NDR 09 Lauderdale County

**Project Title:**  
Mississippi River Corridor Overlook

**Projected Start Date:**  
12/27/2016

**Projected End Date:**  
09/30/2022

**Benefit Type:**  
Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
Low/Mod

**Responsible Organization:**  
Lauderdale County TN



NDR 10 University of Memphis

Hazard Mapping, Education, and Assessment

**Projected Start Date:**

**Projected End Date:**

12/27/2016

09/30/2022

**Benefit Type:**

**Completed Activity Actual End Date:**

Area ( )

**National Objective:**

**Responsible Organization:**

NA

University of Memphis

Overall	Jul 1 thru Sep 30, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$3,576,731.00
<b>Total Budget</b>	\$0.00	\$3,576,731.00
<b>Total Obligated</b>	\$67,733.00	\$170,551.75
<b>Total Funds Drawdown</b>	\$67,733.00	\$170,551.75
<b>Program Funds Drawdown</b>	\$67,733.00	\$170,551.75
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$102,818.75
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This project represents a multidisciplinary partnership between the University of Memphis, Vanderbilt University, and TDEC to develop, analyze, store and freely distribute data that can be used to plan for and create resilient strategies for some of the most vulnerable populations in the Rural by Nature study area. This data, developed through a series of studies, will help fill a large data gap in West Tennessee that is preventing many communities from becoming more resilient. The project includes the following actions to enhance resilience in the NDR target areas.

- Mississippi River Supply Chain Risk Evaluation
- Structural Earthquake Risk Assessment for Schools
- Agricultural Flood Loss Mapping
- School Curriculum Development
- Flood Impact Assessment
- Web System Development
- Earthquake Hazards Assessment

**Location Description:**

This will cover all NDR target area locations.

**Activity Progress Narrative:**



## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

## Project # / NDR Administration / Administration

**Grantee Activity Number:** NDR 12 ECD Admin

**Activity Title:** ECD Administration

**Activity Category:**

Administration

**Project Number:**

NDR Administration

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Administration

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

State of Tennessee

### Overall

**Total Projected Budget from All Sources**

### Jul 1 thru Sep 30, 2018

N/A

### To Date

\$385,543.00

**Total Budget**

\$0.00

\$385,543.00

**Total Obligated**

\$5,489.32

\$108,609.75

**Total Funds Drawdown**

\$5,985.72

\$108,609.75

**Program Funds Drawdown**

\$5,985.72

\$108,609.75

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00



<b>Total Funds Expended</b>	\$0.00	\$25,344.02
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Administration for all NDR activities

**Location Description:**

All NDR target areas in the counties of Dyer, Lake, Lauderdale, and Madison.

**Activity Progress Narrative:**

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources



<b>Grantee Activity Number:</b>	<b>NDR 13 Stantec Admin</b>
<b>Activity Title:</b>	<b>Stantec Administration</b>

**Activity Category:**

Administration

**Project Number:**

NDR Administration

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Administration

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Stantec Consulting Services Inc.

**Overall**

	<b>Jul 1 thru Sep 30, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,775,000.00
<b>Total Budget</b>	\$0.00	\$1,775,000.00
<b>Total Obligated</b>	\$9,976.00	\$439,195.00
<b>Total Funds Drawdown</b>	\$19,999.50	\$379,374.75
<b>Program Funds Drawdown</b>	\$19,999.50	\$379,374.75
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$57,395.50
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Administration of NDR activities

**Location Description:**

All NDR target areas

**Activity Progress Narrative:**

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**



## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

